

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	PSEG Bergen Point	Date Received:	06/27/25
Client Sample ID:	EP-2-EPH	SDG No.:	Q2452
Lab Sample ID:	Q2452-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	06/30/25 19:28	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1	1.29	2.18	mg/kg	FE054636.D
Aliphatic C9-C28	Aliphatic C9-C28	4.14	J	1	0.99	4.36	mg/kg	FE054636.D
Total AliphaticEPH	Total AliphaticEPH	22.0			2.28	6.54	mg/kg	
Total EPH	Total EPH	22.0			2.28	6.54	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054636.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.14	J	0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.7		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2452-06	Acq On:	30 Jun 2025 19:28
Client Sample ID:	EP-2-EPH	Operator:	YP\AJ
Data file:	FE054636.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	3419427	25.133	300	ug/ml
Aliphatic C12-C16	6.950	10.397	1086793	7.731	200	ug/ml
Aliphatic C16-C21	10.398	13.771	1706723	11.82	300	ug/ml
Aliphatic C21-C28	13.772	17.439	1779745	12.304	400	ug/ml
Aliphatic C28-C40	17.440	22.445	34259773	247.1	600	ug/ml
Aliphatic EPH	3.322	22.445	42252461	304.088		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	5826752	35.88		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4635819	36.71		ug/ml
Aliphatic C9-C28	3.322	17.439	7992688	56.988	1200	ug/ml